)PERATIONS GROUP FILE

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LOGNOTE..................PANAMA BUREAU..............14 April 1986 $\mathcal{B}$

[   ]   Army Technician Nelson Smith spoke with me today   STAT
to report on the progress (or lack of progress) in activating
the bureau's Mode I Mux circuit. Smith said he still could
not get the equipment to work on-line. He said, while he has
not yet given up all hope, success could not be guaranteed.

Smith agreed to get in touch with ESG's [   ] to   STAT
explain the technical details of the problems he faces acti-
vating our Mode I Mux Circuit. Smith also gave me two (2)
pages of hand written notes and a one (1) page diagram to help
explain the mode I circuit problem. Copies are attached.

Smith said he was departing Panama for CONUS on 15 April and
had no plans at the present to return. Smith said he would
continue to check with the Inteq Flatpack people and the
"MC3" people to see if they could help resolve the Mode I
problems.

Attachment
    as stated

cc: C/OPS
      C/ESG
      C/FED/ESG
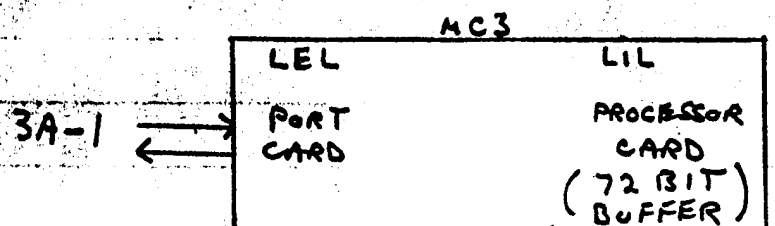   C/FBIS Commo

1. TIMING/LOST DATA PROBLEM

MC3 LEL (LOCAL EXTERNAL LOOPBACK)   GOOD

MC3 LIL (LOCAL INTERNAL LOOPBACK)   NO GOOD

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              MC3
   ┌──────────────────────────┐
   │  LEL          LIL         │    MC3 CONTAINS A TRANSMIT AND
3A-1 ═══► PORT      PROCESSOR   │    RECEIVER PROCESSOR CARD.
   ◄═══   CARD      CARD        │
   │                (72 BIT    │
   │                 BUFFER)   │
   └──────────────────────────┘
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- DATA LOSS OCCURS WHEN IN A LIL LOOPBACK.

- OSCILLOSCOPE (MONITORED AT INPUT/OUTPUT OF MC3) INDICATES CLOCKS DRIFTING.

- DATASCOPE INDICATES DATA LOSS IS DURING TRANSMISSION BY THE 3A-1.

- PROBLEM DOES NOT OCCUR ON 300 OR 1200 BAUD CIRCUITS.

- ASC TEST

2. 3A-1 REP TIMER   64 CHARACTERS   (SOFTWARE)

3. RFS/TSO: MODE I
              SYNC
              CONTINUOUS
              BAUDOT ITA 2 (5 LEVEL)

INTEG ADVISES THE 3A-1 INTERFACES AUTODIN IN
ASCII (8 LEVEL). THE 3A-1 PRESENTLY GENERATES
A "SOH A" SELECT CHARACTER AT START OF MESSAGE.
SELECT "A" IS FOR BAUDOT. SELECT "H" IS FOR ASCII.
                                    (SOFTWARE)

SI + SO: VERIFY IF THESE ARE VALID FOR
         ASCII/MODE I.

4. RECEIVE ETX STOP: TAPE CONTINUES TO RUN
                       DURING WBT STATUS.

5. 3A-1/MC3 COMPATIBLE AT 150 BAUD?

6. 300 BAUD: TERMINAL CONFIGURATION CHANGE.
            (PRINTER 150)

7 DCA CAT III TEST PLAN/TEST

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